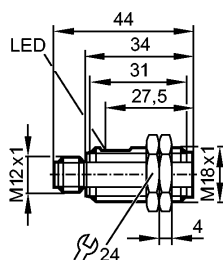


## OGP100

OGP-DPKG/US

Photoelectric sensors



Made in Germany

### Product characteristics

Retro-reflective sensor

Threaded type

M18 x 1

Connector

Polarisation filter

Sensing range 0.05...2.5m (Prismatic reflector Ø 80 (E20005))

### Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...30 DC
Current consumption [mA]	20
Type of light	Red light 645 nm
Protection class	III
Reverse polarity protection	yes

### Outputs

Output function	dark-on mode
Voltage drop [V]	< 2.5
Current rating [mA]	200
Short-circuit protection	yes
Overload protection	yes
Switching frequency [Hz]	1000

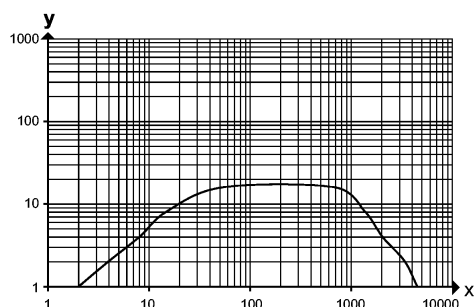
### Range

Sensing range [m]	0.05...2.5 (Prismatic reflector Ø 80 (E20005))
Light spot diameter [mm]	200 ( at maximum range )

### Excess gain graphs

x: distance in [mm]

y: excess gain factor



### Environment

Ambient temperature [°C]	-25...60
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## OGP100

OGP-DPKG/US

Photoelectric sensors

Protection	IP 67; in conjunction with a corresponding connector
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### Tests / approvals

EMC	EN 60947-5-2
MTTF [Years]	1173

### Mechanical data

Housing materials	housing: ABS
Lens material	PMMA
Weight [kg]	0.016

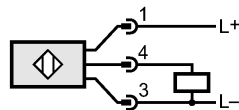
### Displays / operating elements

Output status indication	LED	yellow
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### Electrical connection

Connection	M12 connector
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### Wiring



### Accessories

Accessories (included)	2 lock nuts
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### Remarks

Pack quantity	[piece]	1
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